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67,036,025; B05755/5756

IN THE CLAIMS

1. (Previously Presented) A method of facilitating power transfer between a main engine and an auxiliary power unit (APU), comprising:

obtaining a main engine generator frequency;
determining a target APU speed that will generate an APU generator frequency that is the same as the main engine generator frequency;
adjusting an actual APU speed to the target APU speed;
conducting the power transfer between the main engine and the APU;
determining an APU rate limit, wherein the step of adjusting the actual APU speed includes keeping an adjustment rate below the APU rate limit; and
the adjustment of said actual APU speed is taken to occur rapidly, but without exceeding said APU rate limit.

2. (Original) The method of claim 1, wherein the step of determining the target APU speed comprises checking a look-up table linking a plurality of APU frequencies with a plurality of corresponding target APU speeds.

3. (Cancelled)

4. (Previously Presented) The method of claim 1, wherein the APU rate limit is determined based on at least one fuel schedule.

5.-7. (Cancelled)

8. (Original) The method of claim 1, wherein the step of conducting power transfer comprises connecting the main engine and the APU to a communication bus.